S
553.28
O1S
OCT 1960

STATE DOCUMENTS
Jun1977

Montana State Library
3 0864 1005 9626 4

SHELVED WITH PERIODICALS

MONTANA OIL AND GAS STATISTICAL BULLETIN

Taggart
Litchfield
Taylor

ADMINISTRATORS
JAMES F. NEELY
EXEC. SECRETARY
JOHN H. RISKEN
ATTORNEY
ROBERT M. WATKINS
PETROLEUM ENGINEER

COMMISSIONERS
J. H. FRERICH, CHAIRMAN
BOX 324, POPLAR, MONTANA
E. L. ANDERSON
210 SECOND S. E.
CUT BANK, MONTANA
G. W. YODER
215 E. MORRILL
SIDNEY, MONTANA
TED HAWLEY
CONRAD, MONTANA
IKE W. TAYLOR
BOX 349
LEWISTOWN, MONTANA

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

VOL. VIII, No. 10. THURBER'S HELENA October, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1960, averaged 83,835 barrels daily, a decrease of 133 barrels from the average September production of 83,968.

The nine refineries in the State processed 64,447 barrels of crude oil daily for the month of October, 1960, a decrease of 10,975 barrels daily from the 75,422 barrels processed daily during the month of September, 1960.

During October, 31 wells were completed, 11 oil, 1 gas well and 19 dry holes.

During October, the Commission issued 31 permits to drill new wells, a decrease of 4 from the 35 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1960

IN STORAGE OCTOBER 1st:

By Producers	354,020
By Transporters	539,927
By Refiners	596,757
TOTAL STORAGE	1,490,704
Produced in Montana During Month	2,598,889
Imported During Month	1,061,742
TOTALS	5,151,335

DISPOSITION:

Refined in Montana	1,997,872
Exported	1,475,172
Used for Fuel or Lost	6,161
TOTAL	3,479,205

IN STORAGE OCTOBER 31st:

By Producers	367,605
By Transporters	553,484
By Refiners	751,041
TOTAL STORAGE	1,672,130

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1960

Field	M Cu. Ft.
Bears Den	4,035
Big Coulee	65,953
Bowdoin	555,818
Bowes	131,692
Box Elder	0
Cabin Creek	88,102
Cedar Creek	293,116
Clarks Fork	25,557
Cut Bank (including Reagan)	844,762
Devon	6,023
Dry Creek	132,102
Elk Basin	72,134
Flat Coulee	1,507
Golden Dome	358
Grandview	14,474
Hardin	4,556
Keith Block	185,542
Kevin Sunburst	79,424
Pine	78,207
Plevna	15,911
Utopia	1,516
Whitlash	97,493
Miscellaneous	72,291
TOTAL	2,770,573

Total Withdrawals for October, 1959 were 2,910,707 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF OCTOBER, 1960

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	1,048	2,867		3,162		753
4	Bannatyne	8	2,990	2,888		4,193		1,685
1	Belfry	1	191	1,724		1,742		173
12	Big Wall	27	1,738	22,465		22,297	22	1,884
9	Blackfoot	11	3,290	10,638		10,026	18	3,884
4	Border	4		1,343		1,343		
20	Bowes	80	4,797	22,804	23,435			4,166
	Bredette		1,113					1,113
2	Bredette, North	2	1,090	1,571	1,344			1,317
4	Brorson	4	5,446	3,384	3,172			5,658
2	Cabin Creek	104	8,177	395,182	396,199		314	6,846
24	Cat Creek	96	4,084	17,673	14,756	1,613		5,388
	Clark's Fork		183					183
2	Clark's Fork, North	3	2,724	9,701		9,901		2,524
	Cupton		319					319
350	Cut Bank	1,036	117,536	181,898	179,428		(3)	120,009
3	Deer Creek	6	2,377	14,256	14,961			1,672
3	Delphia	3	1,079	2,000		2,000		1,079
	Devil's Basin		1,018					1,018
4	Dry Creek	4	936	2,693	2,792			837
3	Dwyer	3	1,876	9,942		9,073	9	2,736
7	Elk Basin	56	2,875	238,058	237,615			3,318
1	Fertile Prairie	1	973	66				1,039
2	Frannie	2	505	1,723	1,626			602
2	Gage	2	786	1,157		950	21	972
3	Gas City	9	4,391	15,849	15,544			4,696
6	Glendive	11	4,112	35,618	33,741			5,989
3	Gypsy Basin	4	624	632				1,256
10	Ivanhoe	21	5,683	40,357		39,995		6,045
4	Keg Coulee	6	2,622	47,948		44,869		5,701
179	Kevin-Sunburst	1,084	15,587	60,933	58,950		7	17,563
1	Little Beaver	12	3,276	24,134	24,130			3,280
4	Little Beaver, East	12	3,422	22,748	21,212			4,958
4	Melstone	9	2,428	3,083		3,234	44	2,233
5	Monarch	13	3,152	36,521	35,825			3,848
3	Mosser	5	282	464		502		244
7	Outlook	11	6,548	50,953	52,138			5,363
3	Outlook, South	3	1,210	4,392	3,731			1,871
10	Pennel	19	7,953	60,186	60,500			7,639
5	Pine	148	14,386	431,952	433,710			12,628
83	Pondera	310	7,209	42,802	40,180			9,831
7	Poplar, East	96	19,702	250,167	249,991			19,878
3	Poplar, Northwest	4	946	1,970	1,221			1,695
4	Ragged Point	10	3,718	13,537		13,064		4,191
4	Reagan	50	2,822	15,722	15,579			2,965
10	Red Creek	19	3,400	29,154		28,521		4,033
1	Redstone	1	493	1,237	1,338			392
1	Repeat	1	193	4,000	3,384			809
6	Richey	12	5,661	12,557	14,849			3,369
2	Richey, Southwest	2	1,182	6,176	6,091			1,267
1	Roosevelt County	1		1,819	1,252			567
1	Rosebud County	1	556	2,420		2,185		791
7	Sand Creek	8	4,282	23,874	24,156			4,000
2	Snyder	4	355	1,055		980		430
4	Soap Creek	17	7,834	5,414		7,946		5,302
9	Stensvad	25	11,391	137,851	137,334			11,908
	Stillwater County		111					111
27	Sumatra	87	17,042	200,500	190,163	9,421	40	17,918
3	Sweetgrass Hills	3	536	481		396		621
2	Whitlash	2	15,418	1,504	597	907		15,418
8	Wills Creek	14	3,520	37,144	36,073			4,591
9	Wolf Springs	18	4,116	28,062	27,626			4,552
2	Woodrow	2	706	1,640	1,869			477
903		3,511	354,020	2,598,889	2,366,512	218,320	472	367,605

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
First Quarter, 1960	7,565,291	83,135	7,540,471	82,862
Second Quarter, 1960	7,277,871	79,976	7,265,563	79,841
Third Quarter, 1960	7,739,553	84,126	7,760,515	84,353
October, 1960	2,598,889	83,835	2,584,832	83,382

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1960	362,849	645,661	619,430	1,627,940
March, 1960	384,565	613,000	620,075	1,617,640
June, 1960	386,082	646,801	795,779	1,828,662
September, 1960	354,020	539,927	596,757	1,490,704
October, 1960	367,605	553,484	751,041	1,672,130

*Includes Wyoming Oil

TRANSPORTERS REPORT
MONTH OF OCTOBER, 1960

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			3,162				3,162		
BANNATYNE—Truck			4,193			4,193			
BELFRY—Truck			1,742				1,742		
BIG WALL—Truck			22,297			22,297			
BLACKFOOT—Union Oil Co.			10,026			10,026			
BORDER—Truck			1,343			1,343			
BOWES—									
Trigood Oil Co.	2,549	3,441			189	3,091			2,710
Texaco, Inc.		19,994				19,994			
	2,549	23,435			189	23,085			2,710
BRORSON—Sun Oil Co.		3,172					3,172		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	297,425	1,010,115		490,751			1,493,715		304,576
Shell Pipe Line Corp.	3,107	169,325			495			167,458	4,479
	300,532	1,179,440		490,751	495		1,493,715	167,458	309,055
CAT CREEK—									
Continental Pipe Line Co.	4,595	12,756			(1,401)	11,639			7,113
Truck			1,613			1,613			
	4,595	12,756	1,613		(1,401)	13,252			7,113
CLARK'S FORK—Truck			9,901				9,901		
CUT BANK—									
Big West Oil Co.		563		6,707		7,270			
Darling Gathering System, Inc.	1,856	11,877						11,414	2,319
Phillips Petroleum Co.	21,313	56,278		35,707	988	79,289		1,481	31,540
Texas Pipe Line Co.	24,263	24,574		20,355	634	10,340		28,297	29,921
Toronto Pipe Line Co.	23,468	42,783			(63)			47,246	19,068
Union Oil Co.	90,591	63,007		17,925	617	104,818			66,088
	161,491	199,082		80,694	2,176	201,717		88,438	148,936
DELPHIA—Truck			2,000			2,000			
DRY CREEK—									
Marathon Pipe Line Co.	9,881	2,792			117			3,658	8,898
DWYER—Truck			9,073				9,073		
ELK BASIN—Ohio Oil Co.		237,165					237,165		
FRANNIE—Ohio Oil Co.		1,626					1,626		
GAGE—Truck			950			950			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	6,186	74,383			156		62,675	9,943	7,795
IVANHOE—Truck			39,995				39,995		
KEG COULEE—Truck			44,869			44,869			
KEVIN-SUNBURST—									
Big West Oil Co.	2,368	45,827				46,123			2,072
Homestake Oil & Gas Co.	28	2,234		11,414		13,747			(71)
The Texas Pipe Line Co.	4,077	29,295			594	28,701			4,077
	6,473	77,356		11,414	594	88,571			6,078
MELSTONE—Truck			3,234			3,234			
MOSSER—Truck			502				502		
PONDERA—Phillips Petr. Co.	6,209	42,120	11,809		153	48,613			11,372
POPLAR, BREDETTE, OUTLOOK, SOUTH OUTLOOK, LINE COULEE, REDSTONE & RICHEY—									
East Poplar Gathering System	11,695	320,743			1,296			313,362†	17,780
RAGGED POINT—Truck			13,064			13,064			
REAGAN—Union Oil Co.		15,579				15,579			
RED CREEK—Truck			28,521			7,522	20,999		
SNYDER—Truck			980				980		
SOAP CREEK—Truck			7,946				7,946		
SUMATRA AND STENSVAD—									
Powder River Pipe Line, Inc.	22,860	327,497			1,086	313,488	11,911		23,872
Truck			9,421				9,421		
	22,860	327,497	9,421		1,086	313,488	21,332		23,872
SWEETGRASS HILLS—Truck			396			396			
WHITLASH—									
Homestake Oil & Gas Co.	424	597				614			407
Western Natural Gas Co.	2,014								2,014
Truck			907			907			
	2,438	597	907			1,521			2,421
WOLF SPRINGS—									
Powder River Pipe Line Co.	5,018	27,344			(5)	24,913			7,454
UNNAMED—Rosebud Cty., Truck			2,185				2,185		
TOTALS	539,927	2,545,087	230,129	582,859	4,856	840,633	1,916,170	582,859	553,484

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields. †Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1960

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Texaco Inc.	Union Oil Co.	Total
Blackfoot									4,337	4,337
Bowes			19,695							19,695
Cat Creek		10,704		3,256		1,299				15,259
Cut Bank	23,641						79,755		93,632	197,028
Dry Creek				2,936						2,936
Elk Basin		53,373			118,949					172,322
Kevin-Sunburst	47,729									47,729
Melstone				10,191						10,191
Pondera							33,263			33,263
Reagan									244	244
Red Creek									7,522	7,522
Sumatra		566		207,904	176,544					385,014
Whitlash							11,809		906	12,715
Wolf Springs					27,875					27,875
Total Montana Oil	71,370	64,643	19,695	224,287	323,368	1,299	124,827		106,641	936,130
Canadian Oil Imported									421	421
Wyoming Oil Imported		175,318		391,306	494,697					1,061,321
TOTAL Mont., Canadian & Wyoming Oil	71,370	239,961	19,695	615,593	818,065	1,299	124,827		107,062	1,997,872

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	11	41,483	71,392
October, 1959	29,741	21	40,406	70,168
October, 1960	30,197	14	34,236	64,447

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
42.38%	.03%	57.59%
46.85%	.03%	53.12%